REMARKS/ARGUMENTS

In the Final Office Action mailed April 2, 2008, claims 1 – 10 were rejected. In response, Applicants propose amending claims 1, 4, 7, and 8. Applicants respectfully request that the amendments be entered to put the claims in condition for allowance or to put the claims in better condition for appeal. Applicants hereby request reconsideration of the application in view of the amended claims and the below-provided remarks.

Response to Claim Rejections

Claims 1 – 10 are rejected under 35 U.S.C. 102(b) as being anticipated by Holloway et al. (U.S. Pat. No. 6,183,131, hereinafter Holloway). However, Applicants respectfully submit that these claims are not anticipated by Holloway for the reasons provided below.

Claim 1

Applicants propose amending claim 1 to particularly point out that "the first and second temperature points are different from each other." Support for the amendment is found in Applicants' specification at, for example, paragraph [0030] (U.S. Pat. Pub. No. 2007/0195858 A1). As amended, claim 1 recites:

> "Arrangement on a semiconductor chip for calibrating a temperature setting curve having
>
> a signal generation unit for providing a first signal, which is proportional to an actual temperature of the chip, whereby a signal offset is creatable by the signal generation unit, which is combined with the first signal to define a second signal; and
>
> a temperature extraction unit receiving the first signal and the second signal for calculating a first temperature point based on the first signal and for calculating a second temperature point based on the second signal, wherein the second temperature point is a virtual temperature point and wherein the first and second temperature points are different from each other." (emphasis added)

Applicants assert that claim 1 is not anticipated by Holloway because Holloway does not disclose calculating two different temperature points from the same temperature-dependent signal.

Holloway discloses that a particular linearly-temperature-dependent voltage, V_{TEMP}, is used to calculate a temperature point, $T_{OUT}(K)$, see for example, Holloway col. 11 and equation 19. That is, Holloway discloses that a single temperature point, $T_{OUT}(K)$

is calculated from the temperature-dependent voltage, V_{TEMP}. In contrast to Holloway, amended claim 1 recites that two temperature points (the first and second temperature points) are calculated from a single temperature dependent signal (the first signal). While Holloway discloses that that a single temperature point, $T_{OUT}(K)$, is calculated from the temperature-dependent voltage, V_{TEMP}, Holloway does not disclose that two temperature points (the first and second temperature points) are calculated from a single temperature dependent signal (the first signal) as recited in claim 1. Additionally, Holloway does not disclose that one of the temperature points is a virtual temperature point. Because Holloway does not disclose that two temperature points (the first and second temperature points) are calculated from a single temperature dependent signal (the first signal) and that one of the two calculated temperature points is a virtual temperature point, Applicants assert that amended claim 1 is not anticipated by Holloway.

Independent Claim 4

Independent claim 4 has been amended to include similar limitations to amended claim 1. Additionally, claim 4 has been amended to recite "calibrating a temperature setting curve of the semiconductor chip using the first actual temperature and the second virtual temperature." Support for the amendment is found in Applicants' specification at, for example, paragraph [0009] (U.S. Pat. Pub. No. 2007/0195858 A1). In view of the similarities between amended claim 4 and amended claim 1, Applicants assert that the remarks provided above in regard to amended claim 1 apply also to amended claim 4. Accordingly, Applicants respectfully assert that amended claim 4 is not anticipated by Holloway.

Additionally, Applicants assert that Holloway does not disclose using two different temperatures, which were generated from the same temperature-dependent signal, to calibrate a temperature setting curve as recited in amended claim 4.

Dependent Claims 2, 3, and 5 – 10

Claims 2, 3, 8, and 9 are dependent on claim 1 and claims 5 – 7 and 10 are dependent on claim 4. Applicants respectfully assert that these claims are allowable at least based on allowable base claims.

For reference, claim 7 was amended to correspond to the amendments to claim 4. In particular, "a non linear temperature setting curve" was changed to "the temperature setting curve" as previously introduced in amended claim 4. Claim 8 was amended to refer to claim 1 instead of claim 4 as claim 1 introduces the "temperature extraction unit" that is recited in claim 8 while claim 4 does not recite a temperature extraction unit.

CONCLUSION

Applicants respectfully requests reconsideration of the claims in view of the amended claims and the remarks made herein. A notice of allowance is earnestly solicited.

At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account **50-3444** pursuant to 37 C.F.R. 1.25. Additionally, please charge any fees to Deposit Account **50-3444** under 37 C.F.R. 1.16, 1.17, 1.19, 1.20 and 1.21.

Respectfully submitted,

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